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research news

The RSP Newsletter

March 1990 Vol. 22 No. 2 Office of Research and Sponsored Program Wright State University, Dayton, Ohio 45435

New Director Named for RSP

The Office of Research and Sponsored Programs is under new leadership. This article will introduce our new director, Philip V. Spina, as well as highlight the accomplishments of our previous director, Dr. Cheryl Maurana.

Dr. Maurana began her tenure at Wright State University in 1987. Recognizing the critical need for an effective RSP at Wright State, she identified and attained the following objectives:

1. to open lines of communication with faculty and administration,

2. to lay a foundation for effectively disseminating information on funding opportunities,

3. to refine the proposal and award process by:

- computerizing the office,
- streamlining the review process, and
- developing standard research agreements, and

4. to help to enhance the image of Wright State as a research institution.

Dr. Maurana's effective leadership resulted in an office able to help faculty increase the number of proposals submitted by 41% and the number of awards by 35%. During her tenure, WSU's total ex-

ternal dollars increased from \$9.8 million in 1987 to \$11.7 million in 1989.

Dr. Maurana is still affiliated with Wright State as Associate Dean for Research Affairs in the School of Medicine. She has passed leadership of RSP to Mr. Spina, an experienced professional research administrator.

Mr. Spina, who was selected following a national search, has ten years experience in research administration; two years with the U.S. Department of Defense, and 8 years at a research-oriented university. During these ten years, he specialized in negotiating grants and contracts and brings to Wright State a unique perspective of research relationships between and among universities, government, and industry.

Phil sees RSP as having a three-fold mission:

- identifying funding sources in a timely manner,
- facilitating, encouraging, and coordinating the process of obtaining and administering externally funded research and sponsored programs, and

- assisting in the post-award administration of grants and contracts.

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Under Phil Spina's direction, RSP will continue to create an environment that supports research at Wright State. RSP will create this supportive environment by promoting the development of mutually beneficial partnerships between the University and the Federal, state, and local governments, the community, and industry.

As a member of The Society of Research Administrators and The National Contract Management Association, Phil has been invited to make presentations and to sit on panels debating topics of interest to their members. He continues to serve on regional and national committees.

Throughout his professional career, Phil has been guided by the philosophy that the Office of Research and Sponsored Programs exists to serve the faculty. This is an attitude that is shared by each member of the RSP staff.

— Notes from the Director

If you have read the lead article in this edition of *Research News*, you know who I am. Since I have only been at Wright State one month, I have yet to meet many of you. Now that I'm more familiar with the daily activities of RSP, I will make it a priority to visit members of the University community. If you are near our office (356 Fawcett Hall), please stop and introduce yourself.

I'm impressed by the warmth and enthusiasm of those I've met at Wright State. Thank you for welcoming me; I feel I'm a part of the Wright State community.

Staff Changes

In addition to greeting a new director, the staff at RSP welcomes

Ms. Joyce Boitnott, the secretary for Human Subject Compliances as of March 5. Ms. Boitnott, who joined our staff from Pathology, replaces Ms. JoAnn Topmiller who is retiring.

We have also hired a new student - Erik Jenkins, a sophomore majoring in physics. We anticipate that Joyce and Erik will be welcome additions to our staff.

New Publication

Watch your mailbox for a new publication from our office. During the month of March, you will be receiving *Funding Update*, a document containing upcoming deadlines for proposal submission as well as information about sources of potential funding ap-

propriate for the faculty at Wright State. I expect this publication will be a useful tool in developing new funding opportunities for your research and sponsored programs.

Locating Funding

Would you like to know about potential funding sources that match your research interests? RSP will gather, summarize, and send to you information about potential funding sources. To do this efficiently, we need a current Faculty Research Interest Profile. If you would like to update your profile or if you have not yet completed one, please call Jan Power at Ext. 2425 to request a form.

DOD Technical Information

If you have a currently active DOD contract or grant and wish to use the services of the Defense Technical Information Center (DTIC), please contact me at Ext. 2425.

RSP's Role

The Staff of the Office of Research and Sponsored Programs is committed to helping create an environment that supports the conduct of research and sponsored programs at Wright State University. To that end, *Research News* is designed to provide information about research and sponsored programs conducted at Wright State University. Please call me (Ext. 2425) with your questions or comments about this publication or any other service RSP provides.

Acknowledgement

I wish to thank Dr. Cheryl Maurana for her assistance during this transitional period.

Overview of the Office

The Office of Research and Sponsored Programs (RSP) works with faculty and staff to increase externally funded research and other sponsored programs. RSP staff provide the following services:

- Identification of External Sources of Funding
- Dissemination of Funding Information
- Liaison with Sponsors
- Proposal Development and Preparation
 - Budget Preparation
 - Institutional Authorization
 - Proposal Transmittal
 - Institutional Compliance
 - Contract Negotiations
 - Post Award Administration of Externally Funded Programs

- Administration of Internally Funded Programs
 - Technology Transfer
 - Government Security

Research News is one of the services provided by RSP. It is published quarterly and distributed to Wright State faculty and staff. Descriptions and deadlines of upcoming programs, grant awards and other items of interest are published in the *Research News*.

If you would like to be placed on the mailing list or would like further information on funding opportunities, application procedures, or other services provided by the office, please call us (Ext. 2425) or visit the office in 356 Fawcett Hall.

Congress has recently passed a law that limits lobbying for grants and contracts. An interim regulation, effective December 23, 1989, was issued for all federal agencies. It bars recipients of federal funds from using appropriated funds to lobby a branch of the government regarding a federal award. The purpose of the law is to limit influence peddling and to protect competition.

Effect on WSU

Although the regulation is intended to affect consultants paid to secure funding for major projects, all primary grantees are directly affected. As a primary grantee, WSU is required to document its lobbying activities, and collect its subcontractors' disclosures forms, and submit these to the federal granting agency.

Requirements

Complying with this new law, requires that :

1. before entering into a grant, cooperative agreement, or contract exceeding \$100,000, the award recipient must first certify that no appropriated funds were or will be used to pay for influencing or attempting to influence

•an employee of a federal agency, or

•a member or an employee of Congress, with regard to a specific award.

2. grantees must disclose whether they have used or intend to use non-appropriated funds to pay for lobbying activities of an organization, or individual not regularly employed by the applicant. These certification and disclosure requirements apply to:

•all standard grants (includ-

ing renewal and supplements), cooperative agreements and contracts exceeding \$100,000,

• new continuing grants where the total multi-year support exceeds \$100,000.

The scheduled increments to continuing grants awarded prior to December 1989 will not be affected.

The disclosure forms ask:

•to whom payment was made,
•how much money was involved,

•the type of work involved.

Agency Actions

Federal agencies have begun to enforce their own regulations and certifications of the lobbying requirement. The National Institutes of Health (NIH) and the National Science Foundation (NSF) have recently published notices on

how they will implement the rule.

The Public Health Service (PHS) has only alerted the academic community to the new law. It is not at this time requiring institutions to certify their use of research funds to subsidize lobbying activities.

Due to the volume of pending grants at NSF, grantees are not to submit certifications until requested to do so by the Division of Grants and Contracts. Applicants who have not yet submitted their proposals to NSF should include the new certification form with their proposals.

RSP's Role

The certification form, the disclosure form, and the *Federal Register* publication on this law are available at RSP. If you would like a copy, please call Jan Power (extension 2425).

— Tips on Grantsmanship

Developing a Well-Written Proposal

General Tips

•Follow guidelines exactly
•Discuss proposal with appropriate program officer
•Propose a time frame, activities, milestones to visually describe your proposed project

Writing Style

In model project proposals:


•use active voice
•choose action verbs
•keep sentence structure clear and simple
•use a strong sentence to introduce section

In research proposals:

•write explicitly

•develop concise abstracts
•use strong opening statements
•define terms
•avoid jargon
•follow a logical transition between paragraphs

Visual Appearance of Document
Documents can be easily skimmed by:

•using bullets
•underlining
•including pictures 
•creating charts, graphs
•changing typeface

RSP has a library of resources describing ways to develop a well-written proposal. Call us at 2425.

Selected Funding Highlights

Further information on these programs is available from Deborah Vetter at Ext. 2425.

Arts and Humanities

Program: Elementary and Secondary Education in the Humanities
Agency: NEH
Next Deadline: MAY 15, 1990

Grants support state and local collaborative projects, masterwork study, conferences, planning grants, special projects, and other activities that improve the teaching of the humanities in elementary and secondary schools. Projects in western and non-western history and culture, English and American literature, and foreign languages are encouraged because these fields generally form the core requirements of school humanities programs.

Contact: Ralph Canevali, Assistant Director, Division of Education Programs, National Endowment for the Humanities, 1100 Pennsylvania Avenue, NW, Room 302, Washington, DC 20506, 202/786-0377

Education

Program: FIPSE Drug Program: Specific Approaches to Prevention Projects
Agency: USDE
Next Deadline: APR 16, 1990

Supports projects that offer specific approaches to the prevention of drug or alcohol abuse at the postsecondary level. In FY90, applications are sought that develop, implement, operate or improve higher education consortia

for drug prevention. The consortia should assist local officials representing IHEs in developing and improving their own institution-wide drug education and prevention programs.

Contact: Ronald B. Bucknam, FIPSE Drug Prevention Programs (FY90-D Competition), U.S. Department of Education, ROB 3, Room 3100, 400 Maryland Ave., SW, Washington, DC 20202-5175 202/732-6001

Program: Rehabilitation Experimental and Innovative Training
Agency: USDE
Next Deadline: APR 09, 1990

Supports projects to develop training programs for new categories of rehabilitation personnel or new methods of training for current categories of rehabilitation personnel. In FY 90, five awards averaging \$500,000 will be made in the priority area of training direct service personnel to provide supported employment services to the disabled.

Contact: Mary Ford, Division of Resource Development, U.S. Department of Education, Rehabilitation Services Administration, Switzer Bldg., Room 3332, Washington, DC 20202 202/732-1351

Science and Engineering

Program: CISE Institutional Infrastructure (Small Scale)
Agency: NSF
Next Deadline: APR 16, 1990

Provides awards to institutions with Ph.D. granting departments and active research programs in computer and information science and engineering to establish and operate experimental research facilities. Awards are smaller in scale than those funded under the regular Institutional Infrastructure

program, ranging from \$800,000 to \$1.5 million over a five-year period.

Contact: J. Mack Adams, Program Director, CISE Institutional Infrastructure, National Science Foundation Computer and Computation Research/ CISE, 1800 G Street, NW Washington, DC 20550 202/357-7349

Program: Instrumentation and Instrument Development Program
Agency: NSF
Next Deadline: MAY 01, 1990

Supports the acquisition of major, specialized instruments for basic research in the biological, behavioral, and social sciences or the development of important new methodologies, computer software, or equipment that are not now available and that would increase the accuracy, range, or sensitivity of biological research observations. Workshops in emerging areas of instrumentation are also considered.

Contact: Harold Jones, Program Director, National Science Foundation, Instrumentation and Resources Division/BBS, 1800 G Street, NW, Washington, DC 20550, 202/357-7652

Program: Instructional Materials Development
Agency: NSF
Next Deadline: MAY 15, 1990

Supports the development of new or improved instructional materials in science, mathematics, and technology for elementary, middle and/or secondary level students and their teachers. The program encourages the development of materials that fill content gaps in previously developed curricula, new approaches to the study of traditional subjects, the introduction of recent discoveries, or dem-

onstrations of applications of scientific and mathematical concepts.

Contact: Mary Kohlerman, Program Director, Instructional Materials Development, National Science Foundation, Science and Engineering Education, 1800 G Street, NW, Washington, DC 20550 202/357-7066

Program: Mathematical Sciences Program

Agency: National Security Agency
Next Deadline: MAY 01, 1990

Supports research in pure mathematics (algebra, number theory, discrete mathematics, probability and statistics) and cryptology.

Contact: Marvin C. Wunderlich, Director, Mathematical Sciences Program National Security Agency, ATTN: RMA, Fort Meade, MD 20755-6000 301/859-6438

Health and Biomedical

Program: Grants and Postdoctoral Research Scholar Awards

Agency: American Foundation for AIDS Research

Next Deadline: APR 10, 1990

Offers several awards to support research and training related to AIDS. Short-Term Travel Grants of up to \$5,000, fund limited periods of study or specialized training; Research Grants support post-Doctoral investigators with up to \$50,000 a year.

Contact: Jay Theodore, Grants Officer, American Foundation for AIDS Research, 5900 Wilshire Boulevard, Second Floor, East Satellite, Los Angeles, CA 90036-5032 213/857-5900

Program: Nursing National Research Service Awards-Individual and Institutional

Agency: National Center for Nursing Research

Next Deadline: MAY 10, 1990

Individual and institutional pre- and postdoctoral fellowships for registered nurses support research training in specified areas of nursing

and biomedical and behavioral fields important to nursing, such as community and mental health, psychology, nutrition, and biology.

Contact: Division of Extramural Programs, National Center for Nursing Research, National Institutes of Health, Building 38A, Room B2E17, Bethesda, MD 20894 301/496-0523.

Program: Biotechnology Research Training

Agency: National Institute of General Medical Sciences

Next Deadline: MAY 10, 1990

Provides research training that focuses on the applications of engineering, physics, chemistry, mathematics and biology to those areas of biomedical research related to biotechnology.

Contact: Christine Carrico, Director, Pharmacological Sciences Program, National Institute of General Medical Sciences, NIH, Westwood Building, Room 919, Bethesda, MD 20892 301/496-7707

Federal Agency Profile

NSF Reduces Budgets

Erich Block, the Director of the National Science Foundation (NSF) has issued a statement, *Important Notice 108*, to address the affects of the approximately \$28 million reduction in NSF's FY90 budget appropriation. These cuts will directly affect currently funded grants and agreements.

Effect on Grantees

According to *Important Notice 108*, NSF intends that the budget reductions be shared equitably among new and prior grantees. To assure this, NSF will:

- reduce by 2% the original

funds committed for all continuing grants and cooperative agreements made in FY90 (including increments already awarded this year),

- negotiate all new grant fundings for FY90 awards with these budget limitations taken into account,

- delay some new projects.

Within the next few weeks, NSF expects to have notified recipients of each continuing grant about amending their award.

Student Support

Student support will not be af-

fected by these budget reductions. To keep student support a high priority, institutions that receive NSF funds are to maintain existing levels of this support in their budget reallocations. Further, NSF Graduate and Post-Doctoral Fellowship are not affected by these changes.

Role of RSP

If you want to consult with RSP staff concerning changes in your NSF grant, contact Phil Spina or Leon Testas, Ext. 2425. Copies of *Important Notice 108* are available from Jan Power at RSP, 356 Fawcett.

Invention? Sometimes it occurs by design, but more often by accident. During the course of your research you may develop an invention. If you do, it can represent valuable intellectual property that should be protected on behalf of Wright State, the agency sponsoring your research, and you as the inventor.

The first step is to recognize those new developments that may also be inventions. An invention can be defined as anything new, un-obvious and useful. It can be a potential solution to a problem, something that may satisfy a need, or an improvement to an old invention. It can be a product, a process, a composition of matter or an end use; a new plant variety or a newly engineered microorganism.

The time to prepare for an invention is before it occurs. Several points should be kept in mind to protect and further its development.

1. Keep well-documented notes of your work, since these may be the only means of establishing your priority as an inventor should another claimant emerge. In a bound notebook, make daily entries of ideas, work done and laboratory data. All entries must be signed, dated and witnessed by someone who understands the work but has not participated in it.

2. You can publish AND patent if you act promptly and follow the proper sequence. If you disclose your invention early enough to allow a U.S. patent ap-

plication to be filed **before** you publish, you will not only secure the U.S. rights to invention but will gain an additional year to file in most other countries. If patent protection is delayed until **after** you publish, patent protection is automatically foreclosed in most of the world. (The U.S. alone allows a publishing inventor one year of leeway). The best rule of thumb is to have a potentially useful discovery evaluated for patentability **before** publishing or otherwise making your findings public. If warranted, a patent application can be prepared and filed in a matter of weeks.

3. Prepare an invention disclosure as soon as possible. A disclosure is a brief explanation of how an invention works, what is new and different about it and how it may be useful. The disclosure may contain rough sketches, snapshots and other explanatory material. An *Invention Questionnaire*, available from RSP, will help you to organize your thinking and can be used as the actual disclosure document if desired. An *Invention Disclosure Fact Sheet*, also available at RSP, provides tips on how to prepare a disclosure with a minimum of time and effort.

4. Familiarize yourself with Wright State's patent policy. Also, if the research that led to your invention was sponsored, check any provisions in the research agreement that deals with rights to inventions.

Federal agencies—which sponsor a major share of university research—want to maximize the public benefit from research dol-

lars and strongly encourage the patenting, development and application of inventions. A patent may be the only way to achieve practical application of your idea, since it provides a needed incentive for industry to risk capital to bring the invention to market. Additionally, patents make it possible to protect against improper exploitation of an invention. Finally, they provide income for Wright State and its research programs, and for you as the inventor.

Wright State has enlisted the assistance of Research Corporation Technology to assist faculty in the evaluation, patenting and licensing of inventions. The University will submit inventions to the Corporation on a case-by-case basis.

RSP's Role. If you have any questions about possible inventions, University policy, or services available from Research Corporation, contact Phil Spina at Ext. 2425. If you need an *Invention Questionnaire* or an *Invention Disclosure Fact Sheet*, contact Jan Power at Ext. 2425.

Acknowledgements

This article was adapted from a publication by Research Corporation Technology.

The Research Corporation Program provides an objective, off-campus evaluation by a full-time scientific staff that includes experts in marketing and patent law.

Grants and Contracts Awarded to Wright State Faculty and Staff

The following awards were made from July through December 1989.

Administration

Howard, Lillie P.
Improvement of Undergraduate Education
Ohio Board of Regents
\$4,000

Hutzel, Willard J.
Center for Artificial Intelligence Applications
Miami Valley Research Institute
\$88,038

College of Business and Administration

Bacon, Peter W.
Faculty Fellowship in Health Care Finance
Robert Wood Johnson Foundation
\$51,660

Blair, John P.
Manufacturing in Ohio
Ohio Department of Development
\$30,000

College of Education and Human Services

Cole, Donna J.
Portfolios for Reflection
Carnegie Corporation of New York
\$20,000

Gies, Frederick
Teacher Education & Certification Standards
Ohio Department of Education
\$5,287

Gies, Frederick
Project 419 - Teacher Education
Ohio Department of Education
\$217,770

Gordon, William M.
University Prep Program
Dayton Board of Education
\$7,000

Hansell, T. Stevenson
Reading Recovery Program
Ohio Department of Education
\$51,622

Lassey, Dione
The Very Special Arts Festival Kettering Fund
\$3,000

Lerch, David K. and Frederick, Stephen D.
Health Fitness for Life
U.S. Department of Education
\$220,000

College of Engineering and Computer Science

Cornelius, Kenneth C.
Jet/Vortical Interaction Using 3-D Laser Velocimeter
Universal Energy Systems/AFOSR
\$20,000

Dadras, Parviz
Joining of Carbon-Carbon Composites
Edison Welding Institute
\$10,000

Dadras, Parviz
Carbon-Carbon Structural Joining Technology
Lockheed Missiles & Space Company, Inc.
\$33,522

Davis, Henry W.
High-Performance Search Methods/Transaction Processing
National Cash Register (NCR)
\$30,000

Faghri, Amir
Development of a Spacecraft Absorption Cooling System
NASA-Goddard
\$10,147

Faghri, Amir
Ohio Aerospace Institute
Ohio Aerospace Institute
\$24,300

Fautheree, David W.
Technical Knowledge Assessment
Reynolds & Reynolds
\$0

Fautheree, David W.
Expert Systems Development I
Center for Artificial Intelligence Applications
\$7,159

Fautheree, David W.
Expert Systems for Practicing Scientists & Engineers
Center for Artificial Intelligence Applications
\$18,720

Fautheree, David W.
High Performance Color Workstation
Digital Equipment Corporation
\$115,308

Grandhi, Ramana V.
Prototype Structural Optimization Systems - Phase II
Center for Artificial Intelligence Applications
\$8,063

Grandhi, Ramana V.
System Optimization through Parametric Studies
Center for Artificial Intelligence Applications
\$30,000

Grandhi, Ramana V. and Srinivasan, Raghavan
Design of Intermediate Shapes in Forging
Edison Materials Technology Center
\$142,270

Jean, Jack S.
Documentation for the Array Compiler VACS
Hughes Aircraft Company
\$5,463

Jean, Jack S.
Engineering Research Equipment Grant
National Science Foundation
\$24,815

Jean, Jack S.
Fault Tolerant Processor Arrays
National Science Foundation
\$29,610

Kirby, Kevin G.
Neural Network Familiarization Workshop
Center for Artificial Intelligence Applications
\$4,184

Koubek, Richard J.
Expert Knowledge Structures and
Applications
Office of Naval Research
\$150,000

McAulay, Alastair D.
Modeling Turbulence with Neural
Networks
Cray Research Inc.
\$24,228

McAulay, Alastair D.
Digital Optical Computing with
Spatial Light
Air Force Office of Scientific Research
\$159,051

Purnhagan, Tom G.
Microcomputer Project Laboratory
Enhancement
National Science Foundation
\$36,724

Rizki, Mateen M.
Machine Learning Research
Center for Artificial Intelligence
Applications
\$24,966

Shaw, Arnab K.
Algorithms-Broadband & Narrow-
band Source Localization
Air Force Office of Scientific Research
\$18,253

Siferd, Raymond E.
Advanced 32-Bit Stack Processor
Architecture
Avionics Lab - ASDWRDC
\$249,105

Srinivasan, Raghavan
Student Projects—WRDC
Materials Laboratory
ASD/WRDC
\$0

Srinivasan, Raghavan
Deformation Testing of IN-718
Cytemp Specialty Steel
\$26,050

Xue, Kefu
Applications for Cyclic
Technology
Mead Imaging, Inc.
\$45,000

—School of Graduate Studies

Look, David C.
Gallium Arsenide/Indium
Phosphide Research
Nippon Mining Company Ltd.
\$25,000

Look, David C.
III-V Compound Mesfet/Modfet
Device Performance Study
Office of Naval Research
\$50,610

Thomas, Donald C. and
Kimble, John M.
Patricia Roberts Harris
Fellowship Program
U.S. Department of Education
\$80,000

—Instructional Services

Shearer, Anne B.
Developmental Education
Ohio Board of Regents
\$36,837

Shearer, Anne B.
Special Services Program
U.S. Department of Education
\$65,010

—Lake Campus

Carlson, Donald A.
Developmental Education -
Lake Campus
Ohio Board of Regents
\$5,141

Carlson, Donald A.
Training for Business & Industry
Ohio Board of Regents
\$55,000

Gill, Humphrey G. and
Steinberg, James W.
Prevention of Child Abuse
Ohio Department of Human Services
\$5,790

Knapke, Thomas A.
Small Business Development Center -
LC
Ohio Department of
Development
\$10,159

Knapke, Thomas A.
Small Business Management Pro-
gram
Tri Star Adult Vocational ED Center
\$19,783

Knapke, Thomas A.
Small Business Development Center-
LC
U.S. Small Business
Administration
\$37,841

—Liberal Arts

Curry-Jackson, Anita E.
Community Needs Assessment
Day-Mont West
\$6,350

DeStephen, Dan E.
Center for Labor-Management
Cooperation
Ohio Department of
Development
\$150,000

Mazey, Mary E.
Ohio Enterprise Zone Program
NCI Research
\$2,800

Dustin, Jack L.
Tax Base Sharing: Use &
Potential in Ohio
State & Local Government
Commission of Ohio
\$9,500

Mazey, Mary E.
Assess Future Transportation Needs
Miami Valley Regional Transit
Authority
\$49,450

Pacernick, Gary B.
Publication Support -
Images Tabloid
Ohio Arts Council
\$1,069

Reichert, Julia
Last Resort - Film Production
Ohio Arts Council
\$30,000

Rosenberg, Barry A.
Program Support - 1989-90
Ohio Arts Council
\$14,320

Rosenberg, Barry A.
The Assembled Photograph Exhibit
National Endowment for the Arts
\$15,000

—Library

Kreye, Warren C.
Molecular Structure & Spectra Study
Ohio Supercomputer Center
\$0

—School of Medicine

Adragnaf, Norma C.
Salt Transport in Vascular Endothe-
lial Cells & Hypertension
Dayton Area Heart Association
\$15,000

Arnold, William L.
In-Vivo Evaluation of Catheter
Material Thrombogenicity
Becton Dickinson Polymer Research
\$100,000

Barnes, H. Verdain
Adolescent Health: Prevention &
Health Promotion
Montgomery County Combined
Health District
\$15,500

Beaulieu, Ronald
Intergovernmental Personnel
Agreement - Neff
Dayton Area VA Medical Center
\$16,649

Bernstein, Jack M.
Treatment of Lower Respiratory
Tract Infection
American Cyanamid Company
\$10,300

Bernstein, Jack M.
Treatment of Urinary Tract Infections
Squibb Laboratories
\$12,500

Bernstein, Jack M.
Treatment of Acute Lower Respira-
tory Tract Infection
Schering Corporation
\$26,870

Bernstein, Jack M.
Comparison of Two Drugs in IV-
Treatment of Infections
Hoffmann-LaRoche Corp.
\$15,068

Chumlea, W. Cameron
Guo, Shumei
Previous Diet, Growth & Cancer
National Cancer Institute - NIH
\$45,064

Courtney, Sherry E.
Airway Pressure & Functional Lung
Capacity During HFV
Perinatal Research Inc.
\$11,760

DeBehnke, Daniel and
Angelos, Mark G.
Comparison of Various CPR Meth-
ods in Canine Infarct
Emergency Medicine Foundation
\$5,000

Girten, Beverly E. and
Glaser, Roger M.
Adaptive & Maintenance Effects on
Muscle, Bone & Heart
Gensia Pharmaceuticals
\$41,900

Glaser, Roger M.
Intergovernmental Personnel
Agreement
VA Medical Center
\$44,472

Glaser, Roger M.
Intergovernmental Personnel
Agreement
VA Medical Center
\$66,967

Grubbs, Robert D.
Regulation of Mg₂ in Smooth Muscle
Cell Line
American Heart Association - Ohio
\$19,641

Janz, Timothy G. and Hamilton,
Glenn C.
Fructose-1,6-Diphosphate & Cardiac
Dysfunction
Biomedica Foscama
\$73,000

Jennes, Lothar H.
Identification/Characterization -
Brain GnRH Receptors
National Institutes of Health
\$124,147

Lockwood, Thomas D.
Nonlysosomal Myocardial Protein
Degradation
American Heart Association - Ohio
\$18,709

Lockwood, Thomas D.
Degradation-Renal Peritubular
Basement Membrane
Universal Energy Systems/AFOSR
\$20,000

Lucot, James B.
Pharmacological Aspects of Space/
Motion Sickness
NASA-Ames
\$10,000

Lucot, James B.
Prevention of Motion Sickness in
Cats
Eli Lilly & Company
\$16,500

Minth, Carolyn A.
Regulation of NPY Gene Expression
by TPA & Forskolin
American Cancer Society
\$15,000

Neider, Gary L.
Embryo Protein Secretion During
Implantation
National Institutes of Health-
NICHD
\$94,424

Paietta, John V.
Molecular Genetics of Sulfur Metabo-
lism in Neurospora
National Institutes of Health -
NIGMS
\$82,753

Putnam, Robert W.
Small Instrumentation Program
National Institutes of Health
\$9,543

Putnam, Robert W.
Inter cellular pH Regulation in
Cultured Muscle Cells
American Heart Association - Ohio
\$19,977

Reo, Nicholas V.
NMR Imaging & Spectroscopy in
Small Animals
Proctor & Gamble Co.
\$30,000

Rodenhauser, Paul
Psychiatry Education
Ohio Department of Mental Health
\$13,854

Sansone, Randy A.
Forensic Psychiatry - Dayton Mental
Health Center
Ohio Department of Mental Health
\$35,000

Siegal, Harvey A.
Drug/HIV Outreach
Demonstration Project
Ohio Department of Health
\$49,585

Siegal, Harvey A.
Dayton-Columbus AIDS Outreach/
Prevention Program
National Institute on Drug Abuse
\$1,355,599

Siervogel, Roger M.
Preservation of Longitudinal Study
Radiographs
National Science Foundation
\$87,657

Trulzsch, Dietmar V.
Sucralfate & Duodenal Ulcer Healing
National Medical Research Corpora-
tion
\$5,000

Trulzsch, Dietmar V.
Short-Term Evaluation of Active
Duodenal Ulcer
Smith, Kline and Beckman Corpora-
tion
\$11,100

Barnes, H. Verdain and
Wergowske, Gilbert L.
Combined Medicine/Pediatrics
Residency
DHHS-HRA
\$133,799

Young, Ellen F.
Interleukin-1 (IL-1) Receptor & Its
Interaction with IL-1
National Multiple Sclerosis Society
\$17,940

Nursing

Deane, Donna and
Lancaster, Jeanette
Professional Nurse Traineeship
Program
DHHS-HRA
\$52,908

School of Professional Psychology

Barclay, Allan G.
Self-Sufficiency Tracking Project
Miami Valley Regional Planning
Commission
\$12,640

Barclay, Allan G.
Mental Health Services to the Deaf
Ohio Department of Mental Health
\$25,000

Bent, Russell J.
Internship Training
Dartmouth Hospital
\$5,000

Bent, Russell J.
Internship Training
Northwest Family Services, Inc.
\$7,000

Bent, Russell J.
Internship Training
Comprehensive Care Centers of
Northern Kentucky
\$7,200

Bent, Russell J.
Practicum Training
South Community, Inc.
\$13,500

Bent, Russell J.
Residency Training Program
Ohio Department of Mental Health
\$35,000

Hammond, Rodney W.
Clinical Training
National Institute of Mental Health
\$70,000

Hammond, Rodney W.
Positive Adolescent Choices Training
Ohio Commission on Minority
Health
\$75,000

College of Science and Mathematics

Andrews, Merrill L.
Use of a Microwave Plasma System
Universal Energy Systems
\$1,028

Andrews, Merrill L.
Kinetic Energy Transfer in Gas
Mixtures - II
Southeastern Center for Electrical
Engineering Education
\$9,545

Arlian, Larry G.
Multi-Center Study-Immunother-
apy/Allergy Asthmatics
University of Cincinnati/NIH-
NIAID/University of CA
\$26,879

Arlian, Larry G.
Standardization of Enzyme Allergens
Procter & Gamble Company
\$16,119

Arlian, Larry G.
Cultures of Dermatophagoides
Pteromyssinus
Miles, Inc.
\$32,633

Burton, G. Allan
Multi-Assay/Multi-Test Site Evalu-
ation of Sediment
U.S. Environmental Protection
Agency - Great Lakes Office
\$76,108

Carmichael, Wayne W.
Occurrence & Distribution of Cyano-
bacteria in China
National Science Foundation
\$6,000

Carmichael, Wayne W.
Biosynthetic Pathways of Cyano-
bacterial Hepatontoxins
University of Illinois/NIH
\$24,747

Feld, William A. and
Kane, James J.
Synthesis of Heterocyclic Polymers
University of Massachusetts/USAF
Subcontract
\$137,722

Giron, David J.
Intergovernmental Personnel
Agreement
U.S. Army Medical R & D
\$7,500

Hennessy, Michael B.
Hormonal & Behavioral Attachment
Responses in Guinea Pigs
National Science Foundation
\$110,000

Mamrack, Mark D.
Bovine Heart Phosphoinositidase C
Activities
American Heart Association - Ohio
\$20,000

Maneri, Carl C. and
Benner, Carl V.
Program-Retraining for Improving
Math Education/PRIME
Ohio Board of Regents
\$41,572

Nagy, Allen L.
Psychophysics of Normal & Defec-
tive Color Vision
National Institutes of Health-NEI
\$58,295

Schmidt, Ronald G.
Moraine System Production Facilities
Management
Montgomery County Sanitary
Engineering Department
\$18,907

Tiernan, Thomas O.
Analytical Methods for Pulp & Paper
Materials
Kimberly-Clark Corporation
\$0

Tiernan, Thomas O.
TCDD/TCDF in Waste Water
Effluent
Belmonte Park Lab's
\$2,400

Tiernan, Thomas O.
DBD/DBF in Oils & Defoamer
Formulations
Callaway Chemical Company
\$1,800

Tiernan, Thomas O.
Effluents of Chlorine Bleaching on
PCDD/PCDF in Pulp
Alabama River Pulp Company, Inc.
\$25,200

Tiernan, Thomas O.
TCDD/TCDF in Cellulose Enzyme
Composites
Finnsugar Bioproducts Inc.
\$3,000

Tiernan, Thomas O.
Dibenzodioxin/Dibenzofurans in
Oils & Defoamers
NALCO Chemical Company
\$9,200

Tiernan, Thomas O.
Method to Determine DBD and DBF
Chevron Research Company
\$3,200

Tiernan, Thomas O.
PCDD/PCDF in Food-Grade &
Medical-Grade Papers
The Dexter Corporation
\$31,000

Tiernan, Thomas O.
Chlorinated Dioxins/Furans in Fish
U.S. Fish & Wildlife Service
\$12,700

Tiernan, Thomas O.
Toxic Organics in Paper, Sludge,
Aqueous Effluents
St. Anne-Nackawic Pulp Co. Ltd.
\$19,800

Tiernan, Thomas O.
PCDD/PCDF in Consumer Products
Johnson & Johnson
\$5,700

Tiernan, Thomas O.
Chlorinated Organics in Agricultural
Samples
Maine Department of Human
Services
\$33,000

Tiernan, Thomas O.
Dioxins in Paper, Pulp and Process
Streams
Union Camp Corporation
\$7,200

Tiernan, Thomas O.
Toxic Components/Precursors in
Paper Pulp & Wastes
Container Corp. of America
\$8,000

Tiernan, Thomas O.
Toxic Organics in Consumer Paper
Products
Loblaw Companies, Ltd.
\$11,000

Tiernan, Thomas O.
Treatment of Pesticide
Contaminated Soils
University of Illinois
\$15,000

Tiernan, Thomas O.
Characterization of Paper Mill
Wastes for PCDD/PCDF
Mead Paper
\$50,000

Tiernan, Thomas O.
New Chemical Test Methods for
Aquatic Media
Ministry of Environment/Ontario,
Canada
\$52,366

Tiernan, Thomas O.
Chemical Reagents for Destruction of
Toxic Compounds
U.S. Environmental Protection
Agency
\$181,995

Tiernan, Thomas O.
Pesticides & Related Chemicals in
Kentucky Lake
Tennessee Wildlife Resources
Agency
\$200,000

Tiernan, Thomas O.
Evaluation of a Paper Mill Sludge
Composting Method
Weston International
\$1,600

Tiernan, Thomas O.
TCDD Accumulation in
Sediments
STS Consultants
\$4,200

Turnbull, Kenneth
Biological Testing Agreements -Phase I
Monsanto Agr. Co.
\$700

Voss, Daniel T.
On Two Problems-Experimental
Design & Estimation
Air Force Office of Scientific Research
\$14,675

Warren, Richard L.
NAD Pyrophosphatase Gene from H.
Influenzae
Dayton Area VA Medical Center
\$4,000

Weber, Daniel L.
Auditory Signal Detection & Recognition
Systems Research Laboratories, Inc.
\$16,853

Wolfe, Paul J.
Warren County Seismic Study
Chevron USA, Inc.
\$2,000

Student Services

Darr, David R.
Supplement of Educational Opportunity
Grant Program
U.S. Department of Education
\$210,860

Darr, David R.
College Work-Study Program
U.S. Department of Education
\$848,257

Dawes, Lorna G.
University Artist Series
Ohio Arts Council
\$4,176

Deedrick, Mary K.
Raider Alcohol Awareness Program
(RAAP)
U.S. Department of Education
\$59,699

Simon, Stephen H.
Special Services Program
U.S. Department of Education
170,427

Wagh, Elaine
Governor's Summer Institute
Ohio Department of Education
\$40,625

■ The Office of Research and Sponsored Programs' staff recognizes the efforts of all proposal writers at Wright State. We congratulate those receiving external funds and encourage those with unfunded proposals to consult with us about resubmission. ■

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The RSP Newsletter

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356 Fawcett Hall
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Upcoming Deadlines

Further information is available from
Deborah Vetter at Ext. 2425.

Liberal Arts and Education

National Endowment for the Arts

> Media Arts Program
MAY 01

National Endowment for the Humanities

> Humanities Projects in Libraries
and Archives
MAY 04

American Honda Foundation

> Grants Program
MAY 01

Corporation for Public Broadcasting

> New Pathways to a Degree
MAY 15

U. S. Department of Education

Office of Postsecondary Education

> Centers for International Business
Education
APR 16

Office of Educational Research and Improvement

> Star Schools Program
APR 30

Office of Special Education and Reha- bilitative Services

> Innovation Grants
MAY 04

Health and Biomedical

Alcohol, Drug Abuse and Mental Health Administration

> ADAMHA National Research
Service Awards-Individual and In-
stitutional

> National Research Service
Awards: AIDS Research Training
(Indiv. and Inst.)

> ADAMHA Minority Access to
Research Careers
MAY 10

American Society for Microbiology

> Wellcome Visiting Professor-
ships in the Microbiological Sci-
ences
MAY 01

Burroughs Wellcome Fund

> William N. Creasy Visiting Pro-
fessorships of Clinical Pharmacol-
ogy
MAY 01

Federation of American Societies for Experimental Biology

> Wellcome Visiting Professor-
ships in the Basic Medical Sciences
MAY 01

National Institute of Mental Health

> Mental Health Services Research
Demonstration Grants
APR 23

> Short-Term Clinical Training
Grants - Depressive Disorders
MAY 23

National Institutes of Health

> National Research Service
Awards-Individual and Institu-
tional

> National Research Service
Awards-Senior Postdoctoral Fel-
lowships
MAY 10

Science and Engineering

Camille and Henry Dreyfus Foundation

> Distinguished New Faculty
Grants
MAY 15

Environmental Protection Agency

> Visiting Scientists and Engineers
Program
MAY 31

Eppley Foundation

> Research Grants in Advanced
Science
MAY 01

NSF Directorate for Biological, Behav- ioral and Social Sciences

> Dissertation Research in Biologi-
cal, Behavioral and Social Sciences
> Ethics and Values Studies Pro-
gram
MAY 01

NSF Directorate for Science and Engi- neering Education

> Applications of Advanced Tech-
nologies
MAY 01

Research Corporation

> Cottrell College Science Grants
MAY 15
> Research Opportunity Awards
MAY 01

Wenner-Gren Foundation for Anthro- pological Research

> Grants in Anthropology
MAY 01

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